## IAPS Rec'd PCT/PTO 24 MAY 2006

FORM PTO-1390 (Modified)
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
(REV 12-2004)

	TR	ANSMITTAL LETTER TO THE	ATTORNEY'S DOCKET NUMBER											
		DESIGNATED/ELECTED OFFIC	065691-0445											
	(	ONCERNING A FILING UNDE	U.S. APPLICATION NO. HE WIT. 15 8 1.5) 4 5 8											
			TIONAL FILING DATE	PRIORITY DATE CLAIMED										
		2005/055586 10/26/ IVENTION	2005	10/27/2004										
	IDENTIFICATION OF A JAK2 MUTATION INVOLVED IN VAQUEZ POLYGLOBULIA													
	APPLICANT(S) FOR DO/EO/US													
	VAINCHENKER et al.  Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:													
1.	$\boxtimes$	This is a <b>FIRST</b> submission of items con-	cerning a filing under 35 U.S.0	C. 371.										
2.		This is a <b>SECOND</b> or <b>SUBSEQUENT</b> su	bmission of items concerning	a filing under 35 U.S.C. 371.										
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.												
4.	$^{k}$ $\boxtimes$	The US has been elected (Article 31).												
5.	$\boxtimes$	A copy of the International Application as	filed (35 U.S.C. 371(c)(2))											
		is attached hereto (required only if not communicated by the International Bureau).												
		☐ has been communicated by the In												
		is not required, as the application was filed in the United States Receiving Office (RO/US)												
6.	$\boxtimes$	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  is attached hereto.												
	<b>1</b> 521	has been previously submitted un		Adiala 10 /25 LLS C 271/a//2\)										
7.	$\boxtimes$	Amendments to the claims of the Interna  are attached hereto (required only												
		have been communicated by the	-	······································										
		<ul><li>☐ have not been made; however, th</li><li>☑ have not been made and will not t</li></ul>	<del>-</del>	mendments has NOT expired.										
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).												
9.	$\boxtimes$	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) (Form PCT/RO/101).												
10.		An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).												
lter	ns 11 to	20 below concern other document(s) or	information included:	· · · · · · · · · · · · · · · · · · ·										
11.	$\boxtimes$	An Information Disclosure Statement und	der 37 CFR 1.97 and 1.98.											
12.		An assignment document for recording.	A separate cover sheet in cor	npliance with 37 CFR 3.28 and 3.31 is included.										
13.	$\boxtimes$	A preliminary amendment.												
14.	$\boxtimes$	An Application Data Sheet under 37 CFR 1.76.												
15.		A substitute specification.												
16.		A power of attorney and/or change of address letter.												
17.	$\boxtimes$	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825												
18.		A second copy of the published international application under 35 U.S.C. 154(d)(4).												
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).												
20.	$\boxtimes$	Other items or information: Request for Early Publication;												
	Statement to Support Filing and Submission in Accordance with 37 CFR 1.821-1.825													

The following fees have been submitted:  21. Sees a national fee   \$300   \$300.00    22. Examination fee   \$100   \$300.00    23. Search record Type repaired by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)    23. Search fees of TOFR 1.445(a)(2)) has been paid on the international application to the USPTO as an international Searching Authority   \$100    10 unstrained international Search Report prepared and provided to the Office   \$400    All other situations   \$500   \$400.00    10 unstrained   \$100 unstrained										Y'S DOCKET NUMBER 91-0445			
22		followin	g fees have										
If International preliminary examination report prepared by USPTO and all claims salisty provisions of PCT Article 33(1)(4)									\$	300.00			
23. Search fee USPTO as an international Searching Authority \$100   International Search Report prepared and provided to the Office \$400   International Search Report prepared and provided to the Office \$400   TOTAL OF ABOVE 21, 22 and 23 = \$500 \$ 400.00   TOTAL OF ABOVE 21, 22 and 23 = \$500 \$ 400.00    TOTAL OF ABOVE 21, 22 and 23 = \$500 \$ 400.00    Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.  Total Sheets   Extra sheets   Number of each additional 50 or fraction thereof.  Total Sheets   Extra sheets   Number of each additional 50 or fraction thereof.  Total Sheets   Extra sheets   Number of each additional 50 or fraction thereof.  Total Claims   42	If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100									\$ 200.00			
USPTO as an International Searching Authority   \$100   International Search Report prepared and provided to the Office   \$400   All other situations   \$500   \$400.00													
International Search Report prepared and provided to the Office All other situations South of the situation of th	Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the												
All other situations	USPTO as an International Searching Authority \$100												
TOTAL OF ABOVE 21, 22 and 23 =  Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is 5 for each additional 50 sheets of paper or fraction thereof.  Total Sheets Extra sheets Number of each additional 50 or fraction thereof (round up to a whole number)  75 - 100 = 0	International Search Report prepared and provided to the Office \$400												
Additional fee for specification and drawings filled in paper over 100 sheets (excluding sequence listing or computer program listing filled in an electronic medium). The fee is \$ for each additional \$0 sheets of paper or fraction thereof.  Total Sheets   Extra sheets   Number of each additional \$0 or fraction   RATE	All other situati					\$	500						
sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.  Total Sheets									\$	900.00			
thereof (round up to a whole number)   thereof (round up to a whole number)   x \$250.00	sequence	listing o	or computer										
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))  CLAIMS   NUMBER FILED   NUMBER EXTRA   RATE   \$  Total Claims   42   -20 =   22   x \$   50.00   \$   1100.00    Independent Claims   7   -3 =   4   x \$   200.00   \$   800.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   +\$   360.00   \$   200.00    Processing fee of 130.00 for furnishing the English translation later than 30 months   \$   2800.00    Formula of the processing fee of 130.00 for furnishing the English translation later than 30 months   \$   2800.00    Formula of the processing fee of 130.00 for furnishing the English translation later than 30 months   \$   2800.00    TOTAL NATIONAL FEE =   \$   2800.00    Publication Fee (37 CFR 1.219 Request for Early Publication attached)   \$   300.00    TOTAL NATIONAL FEE =   \$   2800.00    Publication Fee (37 CFR 1.219 Request for Early Publication attached)   \$   300.00    TOTAL FEES ENCLOSED =   \$   3100.00    Amount to be refunded:   charged:	Total Sheets Extra sheets Nu			Numbe	Number of each additional 50 or fraction RATE		ATE						
earliest dalmed priority date (37 CFR 1.492(e))  CLAIMS   NUMBER FILED   NUMBER EXTRA   RATE   \$  Total Claims   42   -20 =   22									\$	0.00			
Total Claims	Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the									0.00			
Independent Claims 7 - 3 = 4	CLAIMS	IS NUMBER		FILED NUMBER EXTRA		F	RAT	E	\$				
MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$ 360.00 \$  TOTAL OF ABOVE CALCULATIONS = \$ 2800.00  Applicant claims small entity status. See 37 CFR 1.27. Fees above are + \$ 0.00  Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(j)).  TOTAL NATIONAL FEE = \$ 2800.00  Publication Fee (37 CFR 1.219 Request for Early Publication attached) \$ 300.00  Publication Fee (37 CFR 1.219 Request for Early Publication attached) \$ 3100.00  Amount to be refunded: charged:  a.	Total Clain	ns	42	- 20 =	22	x\$		50.00	\$	1100.00			
TOTAL OF ABOVE CALCULATIONS = \$ 2800.00  Applicant claims small entity status. See 37 CFR 1.27. Fees above are + \$ 0.00  Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$ 2800.00  Publication Fee (37 CFR 1.219 Request for Early Publication attached) \$ 300.00  TOTAL FEES ENCLOSED = \$ 3100.00  Amount to be refunded: charged: c	Independent C	laims	7	- 3 =	4	x \$		200.00	\$	800.00			
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.  SUBTOTAL = \$2800.00  Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$2800.00  Publication Fee (37 CFR 1.219 Request for Early Publication attached) \$300.00  TOTAL FEES ENCLOSED = \$3100.00  Amount to be refunded: charged: c	MULTIPLE DE	PENDE	NT CLAIM	S) (if app	olicable)	+\$		360.00	\$	-			
reduced by ½.  SUBTOTAL = \$ 2800.00  Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$ 2800.00  Publication Fee (37 CFR 1.219 Request for Early Publication attached) \$ 300.00  TOTAL FEES ENCLOSED = \$ 3100.00  Amount to be refunded: charged: cha								TIONS =	\$	2800.00			
Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$2800.00  Publication Fee (37 CFR 1.219 Request for Early Publication attached) \$300.00  TOTAL FEES ENCLOSED = \$3100.00  Amount to be refunded: charged:  a. A check in the amount of to cover the above fees is enclosed.  b. Please charge my Deposit Account No. 19-0741 in the amount of A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0741. A duplicate copy of this sheet is enclosed.  d. Fees are to be charge to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.  SEND ALL CORRESPONDENCE TO:  Foley & Lardner LLP  Customer Number: 22428  NAME  35,264				ity status	s. See 37 CFR 1.27. Fees	above are	e	+	\$	0.00			
from the earliest claimed priority date (37 CFR 1.492(i)).    TOTAL NATIONAL FEE						Ş	UBT	OTAL =	\$	2800.00			
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Foley & Lardner LLP Customer Number: 22428  Stephen B. Maebius NAME 35,264	SEND ALL CORRESPONDENCE TO: When I Contar Ref. #28, 163												
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35,264		-			<b>l</b>	for			D. Maedius				
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May 24, 2006